

**PERMIT APPLICATION:** NRS#04.299

**APPLICANT:** Sumner Point, LLC  
1151 Goshen Town Road  
Hendersonville, TN 37075  
(615) 264-7110

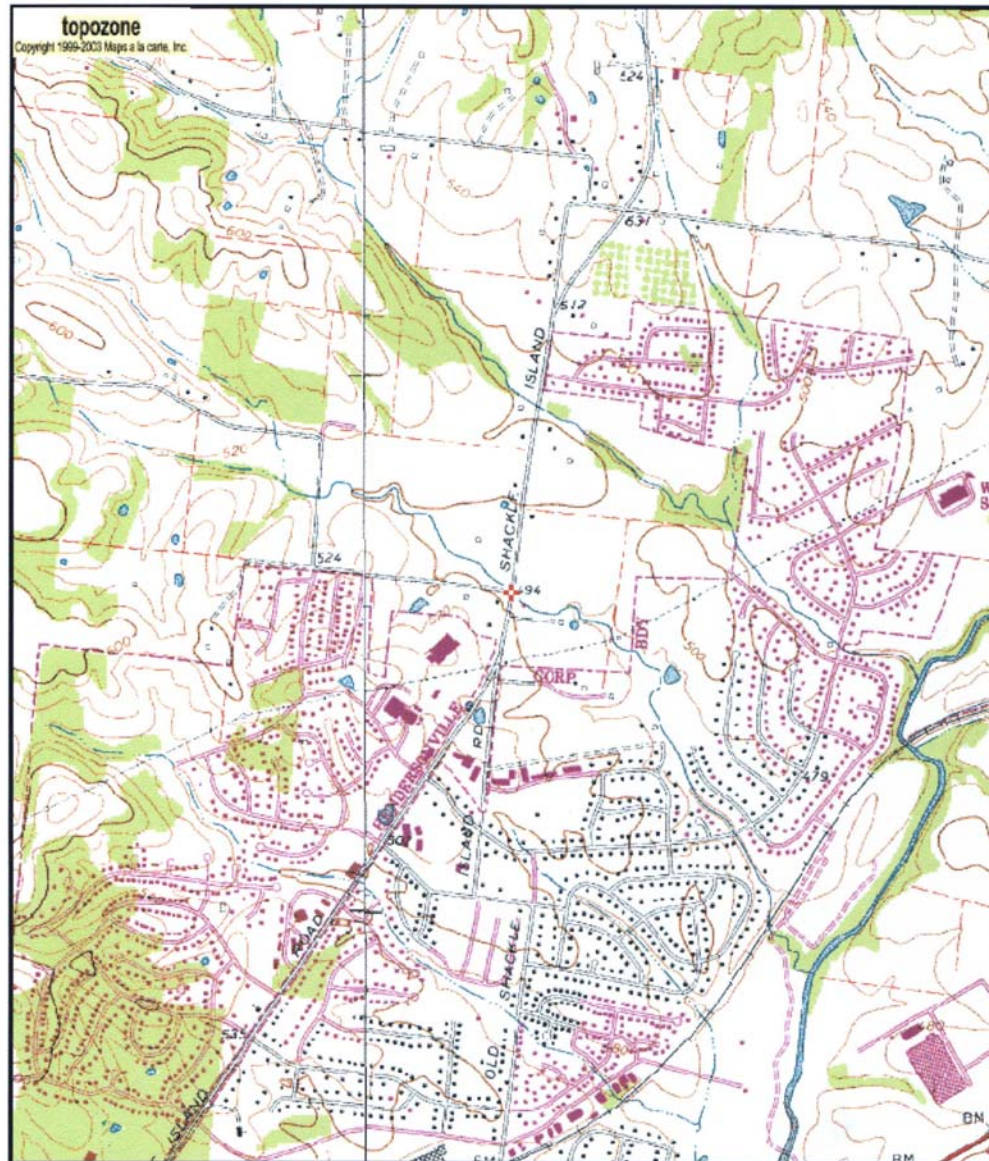
**LOCATION:** unnamed tributary to Drakes Creek  
Sumner County

**WATERSHED DESCRIPTION:** This project is located between Vietnam Veterans Parkway, New Shackle Island Road, and Forest Retreat Road in Hendersonville, TN. The existing stream channel has a bottom width of approximately 15 feet and a depth that averages about 3.5 feet with side slopes typically at 3 horizontal and 1 vertical. Much of the channel bottom is rock with gravel and soil between the rocks. Channel banks are generally grass covered with some brush and scattered tree growth. The adjacent areas are rapidly developing residentially and commercially.

**PROJECT DESCRIPTION:** The applicant proposes to relocate approximately 1700 feet of channel to a channel that is approximately 2060 feet. The new channel would be approximately 40 feet to 50 feet wide and an average depth of 8 feet with a meandering low flow channel approximately 4 feet wide and 2 feet deep with slopes of 3 horizontal to 1 vertical. The applicant proposes a concrete retaining wall for the inside of the new channel with the bottom and outside constructed of natural material. The excavated channel bank (except the low flow channel, as it is anticipated to be excavated into weathered limestone) will be stabilized using a geotextile with vegetation and riprap. Vegetation replacement will include mostly native trees, shrubs, and grasses.

**PERMIT COORDINATOR:** Kelly Morrison

**USGS TOPOGRAPHIC QUADRANGLE:** Hendersonville (310-SE)



0 0.3 0.6 0.9 1.2 1.5 km  
0 0.2 0.4 0.6 0.8 1 mi  
Map center is 36.3268°N, 86.6194°W (WGS84/NAD83)  
**Hendersonville** quadrangle  
Projection is UTM Zone 16 NAD83 Datum

M=-2.837  
G=0.225

<http://www.topozone.com/print.asp?z=16&n=4020269.00009836&e=534157&s=50&siz...> 10/25/2004

USGS Topographic Map

